



AC1200 Dual Band PoE Access Point (with software controller)

TEW-821DAP (v1.0R)

- High performance AC1200 PoE access point
- AC1200: concurrent 867 Mbps WiFi AC + 300 Mbps WiFi N bands
- Access Point, Client, WDS AP, WDS Bridge, WDS Station, and Repeater modes
- Included software controller aides WiFi network management
- Gigabit PoE LAN port
- Off-white low profile housing blends into the environment
- Mounting plate

TRENDnet's high performance AC1200 Dual Band Wireless PoE Access Point, model TEW-821DAP, supports Access Point (AP), Client, Wireless Distribution System (WDS) AP, WDS Bridge, WDS Station, and Repeater modes. It generates concurrent 867 Mbps WiFi AC and 300 Mbps WiFi N networks. The included Windows-based software controller manages multiple TEW-821DAPs and reduces WiFi management and troubleshooting time. It features advanced access control, QoS, traffic management, band steering, and captive portal support. The low profile blends into most environments and a mounting plate eases installation.



Access Point Flexibility

Concurrent 867 Mbps WiFi AC and 300 Mbps WiFi N combined with AP, Client, WDS, and Repeater modes support multiple applications.



Centralized Management

The included Windows based software controller manages multiple TEW-821DAPs and reduces WiFi management and troubleshooting time.



Easy Installation

Saves remote location installation time and costs with Gigabit Power over Ethernet (PoE) support and a convenient mounting plate.

Select	Product Name	IP Address	MAC Address	Version	System
<input type="checkbox"/>	TEW-821DAP	192.168.20.111	00-19-E7-95-92-45	1.00B10	T
<input type="checkbox"/>	TEW-821DAP	192.168.20.100	D6-FE-E3-3E-83-4B	1.00B12	T
<input type="checkbox"/>	TEW-821DAP	192.168.20.110	54-9E-87-95-92-45	1.00B12	T
<input type="checkbox"/>	TEW-821DAP	192.168.20.102	3E-83-4B-FE-E3-3E	1.00B12	T
<input type="checkbox"/>	TEW-821DAP	192.168.20.112	E7-95-83-AB-FE-18	1.00B10	T
<input type="checkbox"/>	TEW-821DAP	192.168.20.101	E3-3E-87-95-18-E7	1.00B12	T

Centralized Management

Networking Solution

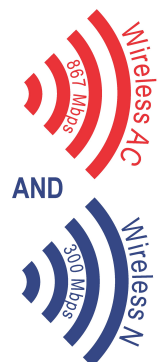


- 1 Mounting plate
- 2 LED indicators can be turned off



- 3 Gigabit PoE LAN port
- 4 Optional power port for non-PoE installations

- 5 Reset button
- 6 Low profile off white housing





Multi-Language

Multi-Language Interface: English, Spanish, French, German, and Russian



Power over Ethernet (PoE)

Saves remote location installation time and costs with Gigabit PoE support (Optional power port for non-PoE installations)



Concurrent Dual Band

AC1200: concurrent 867 Mbps WiFi AC + 300 Mbps WiFi N bands



Multi-Mode Support

Supports Access Point (AP), Client, WDS AP, WDS Bridge, WDS Station, and Repeater modes for each WiFi band independently



Software Controller

The included Windows-based Software Controller manages multiple TEW-821DAPs and reduces WiFi configuration, management, and troubleshooting time



Gigabit Port

Gigabit PoE LAN port maintains high performance connections to the wired network



Wireless Coverage

Extended wireless coverage with MIMO antenna technology



Encrypted Wireless

Support for wireless encryption of up to WPA2



Band Steering

Band steering alleviates network congestion by automatically directing wireless devices from the 2.4 GHz band to the 5 GHz band



WiFi Traffic Shaping

Manage traffic allocation per VLAN for each band separately



Multiple SSIDs

Create up to 8 SSIDs per band (16 total)



Targeted Beamforming

Increased real-time performance by directing stronger wireless signals to your specific location



IPv6

IPv6 network support



Low Profile

Off white low profile shape blends into most environments



LED Control

Further reduce product visibility by turning off LED indicators



Mounting Plate

Mounting plate reduces installation time

Specifications

Standards

- IEEE 802.1Q
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x
- IEEE 802.3ab
- IEEE 802.3af
- IEEE 802.11a
- IEEE 802.11b
- IEEE 802.11g
- IEEE 802.11n (up to 300 Mbps)
- IEEE 802.11ac (up to 867 Mbps)

Hardware Interface

- 1 x PoE Gigabit LAN port
- Power port (optional non-PoE installation)
- Reset button
- LED indicators
- Mounting plate

Special Features

- Software controller
- Concurrent Dual band
- Band Steering
- WiFi traffic shaping
- Beamforming
- 802.1Q VLAN assignment per SSID
- IPv6 support (Link-Local, Static IPv6, Auto-Configuration (SLAAC/DHCPv6))
- Multi-Language interface, English, French, Spanish, German, Russian
- LEDs on/off

Operation Modes

- Access Point
- Client
- WDS AP
- WDS Bridge
- WDS Station
- Repeater

Management/Monitoring

- Web based management
- Software controller

- SNMP v1/v3
- STP
- Event logging
- Ping test
- Traceroute
- CLI

Software Controller

- Central management for multiple devices
- Wireless settings management
- Wireless security settings management
- Firmware upload

Software Controller Supported OS

- Windows® 8.1, 8, 7, Vista, XP

Access Control

- Wireless encryption: WEP, WPA/WPA2-PSK, WPA/WPA2-RADIUS
- MAC filter
- Maximum client limit

QoS

- WMM
- Traffic shaping per SSID

SSID

- Up to 8 SSIDs per wireless band (16 total)

Frequency

- 2.4 GHz: 2.412 – 2.472 GHz
- 5 GHz: 5.180 – 5.8525 GHz

Wireless Channels

- 2.4 GHz: FCC: 1 – 11, ETSI: 1 – 13
- 5 GHz: FCC: 36, 40, 44, 48, 149, 153, 157, 161 and 165 ETSI: 36, 40, 44, 48, 52, 56, 60, 64, 100, 104, 108, 112, 116, 132, 136, 140

Modulation

- DBPSK/DQPSK/CCK for DSSS technique
- BPSK/QPSK/16-QAM/64-QAM/256-QAM for OFDM technique

Antenna Gain

- 2.4 GHz: 2 x 4 dBi
- 5 GHz: 2 x 4 dBi

Wireless Output Power/Receiving Sensitivity

- 802.11a: FCC: 24 dBm, CE: 22 dBm (Max.) / -65 dBm (typical) @ 54 Mbps
- 802.11b: FCC: 23 dBm (Max.), CE: 10 dBm (Max.) / -83 dBm (typical) @ 11 Mbps
- 802.11g: 19 dBm (Max.), CE: 12 dBm (Max.) / -65 dBm (typical) @ 54 Mbps
- 802.11n: FCC: 19 dBm (Max.), CE: 12 dBm (Max.) / -64 dBm (typical) @ 300 Mbps 2.4 GHz
- 802.11n: FCC: 24 dBm, CE: 22 dBm (Max.) / -61 dBm (typical) @ 300 Mbps 5 GHz
- 802.11ac: FCC: 15 dBm, CE: 22 dBm (Max.) / -51 dBm (typical) @ 867 Mbps

EIRP

- 2.4 GHz: FCC: up to 30 dBm, CE: up to 19 dBm
- 5 GHz: FCC: up to 31 dBm, CE: up to 29 dBm

Power

- 12 V / 1 A consumption: 9.6 Watts Max.

Operating Temperature

- 0 – 40 °C (32 – 104 °F)

Operating Humidity

- Max. 95 % non-condensing

Certifications

- CE
- FCC

Dimensions

- 187 x 187 x 46 mm (7.3 x 7.3 x 1.8 in.)

Weight

- 456 g (16 oz.)

Warranty:

- 3 year limited

Package Contents

- TEW-821DAP
- 5 ft. (1.5 m) network cable
- CD-ROM (Utility and User's Guide)
- Quick Installation Guide
- Power adapter (12 V DC, 1 A)
- Mounting bracket

